PTO/S8/08a (07-09)
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Sub	Substitute for form 1449/PTO			Complete if Known		
				Application Number	10/596,626-Conf. #8534	
١N	<b>VEORMATION</b>	I DI	SCLOSURE	Filing Date	September 15, 2006	
S	STATEMENT BY APPLICANT			First Named Inventor	Karl-Heinz Schuster	
				Art Unit	2873	
	(Use as many sheets as necessary)			Examiner Name	E. A. Lester	
Sheet	1	of	14	Attorney Docket Number	01641/0204258-US0	

			U.S. PA	TENT DOCUMENTS		
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 ( of Known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Wher Relevant Passages or Releva Pigures Appear	
	AA*	US-2,380,887	07-01-1945	Warmishan	3 3,550 ,770	
	AB*	US-3,244,073	04-05-1966	Bouwers et al.		
	AC*	US-4,103,990	08-01-1978	Yamada et al.		
	AD*	US-4,241,390	12-23-1980	Markle et al.		
***************************************	AE*	US-4,293,186	10-06-1981	Offner		
	AF*	US-4,346,164	08-24-1982	Tabarelli et al.		
	AG*	US-4,398,809	08-16-1983	Canzek et al.		
	AH*	US-4,443,068	04-17-1984	Itoh et al.		
	Al*	US-4,469,414	09-04-1984	Shefer		
	AJ*	US-4,482,219	11-13-1984	Canzek et al.		
	AK*	US-4,666,259	05-19-1987	lizuka et al.		
	AL*	US-4,685,777	08-11-1987	Hirose et al.		
	AM*	US-4,711.535	12-08-1987	Shafer		
	AN*	US-4,757,354	07-12-1988	Sato et al.		
	AO*	US-4,779,966	10-25-1988	Friedman		
	AP*	US-4,812,028	03-14-1989	Matsumoto et al.		
	AQ*	US-4,834,515	05-30-1989	Mercado		
	AR*	US-4,951,078	08-21-1990	Okada et al.		
	AS*	US-5,004,331	04-02-1991	Haseltine et al.		

	*************	FOREI	GN PATENT	DOCUMENTS		
Examiner Initials*	Cite No.	Foreign Patent Document Country Code <sup>3</sup> -Namber <sup>3</sup> (filed Code <sup>3</sup> (filenows)	Publication Date MM-DD-YYYY	Name of Patenties or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	ŢŘ
	BA	CN-1802726-A	07-12-2006	Nippon Kogaku Kk		V
	BB	DE-19633128-A1	02-19-1998	Zeiss Carl Fa		
	BC	DE-10123725-A1	11-21-2002	Zeiss Carl		
	BD	DE-10332112-A1	01-27-2005	Zeiss Carl Smt Ag		
	BE	DE-102005056721-A1	11-09-2006	Zeiss Carl Smt Ag		$\lceil  \rceil$
	BF	EP-0267766-A2	05-18-1988	Compact Spindle Bearing Corp		

	Examiner	/Cushus Lastar/	Date	12/20/2009
1	Signature	/Evelyri Lester/	Considered	ILIZUIZUUS

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filled after June 30, 2003 or is available in the IFW. \* Applicant's unique citation designation number (optional). \* See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov/nor/MPEP-901-04">https://www.uspto.gov/nor/MPEP-901-04.</a>\* Enter Office that issued the document. By the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede this senial number of the patent document. \*Stind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

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Sheet	2	of	14	Attemey Decket Number	01641/0204258-US0	

			U.S. PA	TENT DOCUMENTS	
Examiner Initials*	Cite No.	Document Number Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevent Passages or Relevant Figures Appear
	AT*	US-5,031,976	07-16-1991	Shafer	
	AU*	US-5,063.586	11-05-1991	Jewell et al.	
	AV,	US-5,114,238	05-19-1992	Sigler	
	AW*	US-5,121,256	06-09-1992	Corle et al.	
	AX*	US-5,153.898	10-06-1992	Suzuki et al.	
	ΑΥ	US-5,212,588-B1	05-18-1993	Viswanathan et al.	
	AZ*	US-5,220,590	06-15-1993	Bruning et al.	
	AA3°	US-5,315,629	05-24-1994	Jewell et al.	
	AB1*	US-5,353,322	10-04-1994	Bruning et al.	
	AC1*	US-5,410,434	04-25-1995	Shafer	
	AD1*	US-5,477,304	12-19-1995	Nishi et al.	
	AE1*	US-5,488,229	01-30-1996	Elliott et al.	
	AF1*	US-5,515,207	05-07-1996	Foo	
	AG1*	US-5,636,066	06-03-1997	Takahashi et al.	
	AH1*	US-5,650.877	07-22-1997	Phillips, Jr. et al.	
	Al1*	US-5,652,679	07-29-1997	Freeman et al.	
	AJ1*	US-5,686,728	11-11-1997	Shafer	
	AK1*	US-5,717,518	02-10-1998	Shafer et al.	
	AL1	US-5,729,376	03-17-1998	Hall et al.	

		FOREI	GN PATENT	DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code*-Number*-Hind Code*-(#Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Fages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	76
	BG	EP-0951054-A1	10-20-1999	Nippon Kogaku Kk		<del>(</del> ************************************
	вн	EP-0962830	12-08-1999	NIPPON KOGAKU KK		V
	ВІ	EP-1061396-A2	12-20-2000	Canon Kk		
	BJ	EP-1059550-A1	12-13-2000	Nippon Kogaku Kk		
	BK	EP-1069448	01-17-2001	Nippon Kogaku Kk		
	BL	EP-1089327-A1	04-04-2001	Nippon Kogaku Kk		

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<sup>\*</sup>EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP 60%. Draw line through citation if not in conformance and not \*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Oile No. are not supplied (under 37 CFR 1.88(a)(2)(ii)) because that application was filled after Jone 30, 2003 or is available in the IFW. \* Applicant's unique citation designation mumber (optional). \* See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gop/">www.uspto.gop/</a> or MPEP 901.04. \* Either Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.10 if possible. \* Applicant is to place a check mark here if English language Translation is attached.

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THE STATE OF THE S				Application Number	10/596,626-Conf. #8534	
IN	<b>IFORMATION</b>	I DI	SCLOSURE	Filing Date	September 15, 2006	
S	STATEMENT BY APPLICANT			First Named Inventor	Karl-Heinz Schuster	
				Art Unit	2873	
	(Use as many sheets as necessary)			Examiner Name	E. A. Lester	
Sheet	3	of	14	Attorney Docket Number	01641/0204258-US0	

	U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Document Number Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
	AM1*	US-5,734,496	03-31-1998	Beach et al.				
	AN 1*	US-5,802,335	09-01-1998	Sturlesi et al.				
	A01*	US-5,805,346	09-08-1998	Tomimatsu et al.				
	AP1*	US-5,805,365	09-08-1998	Sweatt				
	AQ1*	US-5,815.310	09-29-1998	Williamson et al.				
	AR1*	US-5,861,997	01-19-1999	Takahashi				
	AS1*	US-5,917,879	06-29-1999	Mashima et al.				
	AT1*	US-5,956,192	09-21-1999	Williamson et al.				
	AU1*	US-5,969,441	10-19-1999	Loopstra et al.				
	AV1*	US-5,999,310	12-07-1999	Shafer et al.				
	AW1*	US-6,033,079	03-07-2000	Hudyma				
	AX1°	US-6,064,516	05-16-2000	Schuster et al.	Corresponds to DE 19633128			
	AY1*	US-6,097,537	08-01-2000	Takahashi et al.				
	AZ1*	US-6,169,627	01-02-2001	Schuster et al.				
	AA2*	US-6,169,637	01-02-2001	Tsunashima et al.				
	AB2*	US-6,172,825	01-09-2001	Takahashi et al.				
	AC2*	US-6,188,513	02-13-2001	Hudyma et al.				
	AD2*	US-6,195,213	02-27-2001	Omura et al.				
	AE2*	US-6,213,610	04-10-2001	Takahashi et al.				

	FOREIGN PATENT DOCUMENTS									
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,					
Indials*	No.	Country Code <sup>3</sup> Number <sup>9</sup> -Kind Code <sup>3</sup> (if known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages Or Relevant Figures Appear	۳				
	BM	EP-1098215-A1	05-09-2001	Zeiss Carl et al.						
	BN	EP-1318425-A2	06-11-2003	Nippon Kogaku Kk						
	BO	EP-1336887-A1	08-20-2003	Nippon Kogaku Kk						
	8P	EP-1480065-A2	11-24-2004	Canon Kk						
	BQ	EP-1635382-A1	03-15-2006	Nippon Kogaku Kk						
	BR	GB-2146454-A	04-17-1985	Gen Signal Corp						

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Examiner	/Evelyn Lester/	Date	10/00/000
Signature	/Evolytt Edotoff	Considered	12/20/2009

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not \*EAMINERY, initial if reference considered, whether or har commission is in contemance with shift POD. Unaw size through obtain in not in commission is not considered. Include copy of this form with next communication to application.\* OTE NO. Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CPR 1.98(a)(2)(ii)) because that application was filled after June 30, 2003 or is available in the IPW. \*Applicants unique dilation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov.or.mREP-901-04">www.uspto.gov.or.mREP-901-04</a>. \*Enter Office that issued the document, by the two-letter code (WIPO Standard SY.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must pracede the senal number of the patent document. \*Stind of document by the appropriate symbols as indicated on the document under WIPO Standard ST-18 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

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				Application Number	10/596,626-Conf. #8534	
INF	ORMATION	l DI	SCLOSURE	Filing Date	September 15, 2006	
ST	ATEMENT E	3Y /	APPLICANT	First Named Inventor	Karl-Heinz Schuster	
				Art Unit	2873	
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iheet	4	of.	14	Atterney Decket Number	01641/0204258-US0	

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Examiner Initials*	Cite No.	Document Number Number-Kind Code <sup>2</sup> (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Refevent Passages or Relevant Figures Appear
	AF2*	US-6.259.510	07-10-2001	Suzuki et al.	
	AG2*	US-6,262,845	07-17-2001	Sweatt	
•••••	AH2*	US-6,285,737	09-04-2001	Sweatt et al.	
	Al2*	US-6,353,470	03-05-2002	Dinger et al.	
	AJ2*	US-6,426,506	07-30-2002	Hudyma	
	AK2*	US-6,473,243		Omura et al.	
	AL2*	US-6,597,498	07-22-2003	Schuster et al.	
	AM2*	US-6,600,608	07-29-2003	Shafer et al.	
	AN2*	US-6,631,036	10-07-2003	Schuster et al.	
	AO2*	US-6,636,350-A1	10-21-2003	Shafer et al.	
	AP2*	US-6,750,948	06-15-2004	Omura et al.	
	AQ2*	US-6,757,051	06-29-2004	Takahashi et al.	
	AR2*	US-6,816,320	11-09-2004	Wada et al.	
	AS2*	US-6,822,727	11-23-2004	Shima et al.	
	AT2*	US-6,829.099	12-07-2004	Kato et al.	
	AU2*	US-6,842,298	01-11-2005	Shafer et al.	
	AV2*	US-6,873,476	03-29-2005	Shafer	
	AW2*	US-6,912,042	06-28-2005	Shafer	
	AX2*	US-6,930,758	08-16-2005	Schuster et al.	

	FOREIGN PATENT DOCUMENTS											
Examiner Initials*	Cite No.	Foreign Patent Document  Country Code*-Number*-Vind Code* (#Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear							
	BS	JP-5175098-A	07-13-1993	Nippon Kogaku Kk		<b>~</b>						
	8T	JP-06053120-A	02-25-1994	Nippon Kogaku Kk		V						
	BU	JP-6188169-A	07-08-1994	Canon Kk		V						
	BV	JP-8166542-A	06-25-1996	Nisshin Koki Kk		V						
	BW	JP-8330220-A	12-13-1996	Nippon Kogaku Kk		V						
	вх	JP-9148241-A	06-06-1997	Canon Kk		N						

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S	TATEMENT I	3Y /	APPLICANT	First Named Inventor	Karl-Heinz Schuster	
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Examiner Initials*	Cite No.1	Document Number Number-Kind Code <sup>2</sup> ( if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevent Passages or Relevant Figures Appear
	AY2*	US-6,995,886	02-07-2006	Hendriks et al.	
	AZ2*	US-6,995,918	02-07-2006	Terasawa et al.	
	AA3*	US-7,030,965	04-18-2006	Takahashi et al.	
	AB3*	US-7,075,726	07-11-2006	Terasawa et al.	
	AC3*	US-7,079,314	07-18-2006	Suenaga et al.	
	AD3*	US-7,085,075	08-01-2006	Mann et al.	
	AE3*	US-7,092,168	08-15-2006	Terasawa et al.	
	AF3*	US-7,187,503	03-06-2007	Rostalski et al.	
	AG3*	US-7,190,530	03-13-2007	Mann et al.	
	АН3*	US-7,218,445-A1	05-15-2007	Shafer et al.	
	A(3*	US-7,224,520	05-29-2007	Mitchell	
	AJ3*	US-7,237,915	07-03-2007	Hudyma	
	AK3*	US-7,239,453	07-03-2007	Terasawa et al.	
	AL3*	US-20010019454	09-06-2001	Tadic-Galeb et al.	
	AM3*	US-20020024741-A1	02-28-2002	Terasawa et al.	
	AN3*	US-20020176063	11-28-2002	Omura	
	AO3*	US-20030011755	01-16-2003	Omura et al.	
	AP3*	US-20030011894	01-16-2003	Schuster	
	AQ3*	US-20030174301	09-18-2003	lmanishi	

	FOREIGN PATENT DOCUMENTS										
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	BY	JP-10163099-A	06-19-1998	Nippon Kogaku Kk		To the second					
	BZ	JP-10214783-A	08-11-1998	Nippon Kogaku Kk		V					
	BA1	JP-10284408-A	10-23-1998	Nippon Kogaku Kk							
	881	JP-10303114-A	11-13-1998	Nippon Kogaku Kk		V					
	BC1	JP-2001228401-A	08-24-2001	Canon Kk		V					
	BD1	JP-2002208551-A	07-26-2002	Nippon Kogaku Kk							

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	AR3*	US-20030197922	10-23-2003	Hudyma	
	AS3*	US-20030197946	10-23-2003	Omura	
	AT3*	US-20030234912	12-25-2003	Omura	
	AU3*	US-20030234992	12-25-2003	Shafer	
	AV3*	US-20040012866	01-22-2004	Mann et al.	
	AW3*	US-20040075895	04-22-2004	Lin	
	AX3*	US-20040130806	07-08-2004	Takahashi	
	AY3,	US-20040160677	08-19-2004	Epple et al.	
	AZ3*	US-20040190151	09-30-2004	Krahmer et al.	Corresponds to DE10123725
	AA4*	US-20040207928	10-21-2004	Schultz et al.	
	AB4*	US-20040240047	12-02-2004	Shafer et al.	
	AC4*	US-20050036213	02-17-2005	Mann et al.	
	AD4*	US-20050082905	04-21-2005	Gronau et al.	Į.
	AE4*	US-20050179994	08-18-2005	Webb	
	AF4*	US-20050190435	09-01-2005	Shafer et al.	
	AG4*	US-20050248856	11-10-2005	Omura et al.	
	AH4*	US-20060066962	03-30-2006	Totzeck et al.	
	Al4*	US-20060077366	04-13-2006	Shafer et al.	
	AJ4*	US-20060114445	06-01-2006	Ebihara	

	FOREIGN PATENT DOCUMENTS											
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages							
Institute*	No.	Country Code <sup>3</sup> Number <sup>3</sup> Kind Code <sup>3</sup> (if known)	MW-DD-YYYY Date	Applicant of Cited Document	Or Relevant Figures Appear	٣						
	BF1	JP-2002372668-A	12-26-2002	Nippon Kogaku Kk		V						
	8G1	JP-2003114387	04-18-2003	Omura Yasuhiro		V						
	BH1	JP-2003307680-A	10-31-2003	Nippon Kogaku Kk		T.						
	Bit	JP-2004333761-A	11-25-2004	Nippon Kogaku Kk		V						
	BJ1	JP-2004317534-A	11-11-2004	Nippon Kogaku Kk		V						

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Substil	Substitute for form 1449/PTO			Complete if Known		
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INF	FORMATION	l DI	SCLOSURE	Filing Date	September 15, 2006	
STATEMENT BY APPLICANT			APPLICANT	First Named Inventor	Karl-Heinz Schuster	
				Art Unit	2873	
	(Use as many sheets as necessary)			Examiner Name	E. A. Lester	
Sheet	7	ρř	14	Atterney Decket Number	01641/0204258-US0	

			U.S. PA	TENT DOCUMENTS	
Examiner	Cite	Document Number	Publication Date	Name of Fatentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant
Initials*	No.	Number-Kind Code <sup>2</sup> ( if known)	MM-DD-YYYY	Applicant of Cited Document	Figures Appear
	AK4*	US-20060119750	06-08-2006	Epple et al.	
	AL4*	US-20060132739	06-22-2006	Ebihara	
	AM4*	US-20060132740	06-22-2006	Ebihara	
	AN4*	US-20060198018	09-07-2006	Shafer et al.	
	AO4*	US-20060244938	11-02-2006	Schuster	
	AP4*	US-20060256447	11-16-2006	Dodoc	
	AQ4*	US-20070037079	02-15-2007	Omura	
	AR4*	US-20070064214	03-22-2007	Ebihara	
	AS4*	US-20070091451	04-26-2007	Schuster	
	AT4*	US-20070109659	05-17-2007	Rostalski et al.	
	AU4*	US-20070165198	07-19-2007	Kneer et al.	
	AV4*	US-20070211234	09-13-2007	Ebihara	
	AW4*	US-20080037111	02-14-2008	Shafer et al.	

	FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code*-Number*-Hand Code*-pf/known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passeges Or Relevant Figures Appear	76		
	BK1	JP-2005003982-A	01-06-2005	Nippon Kogaku Kk		V		
	BL1	KR-102006018869	03-02-2006	Nippon Kogaku Kk		$\square$		
	BM1	WO-9205462-A2	04-02-1992	Optics & Vision Ltd				
	BN1	WO-9406047	03-17-1994	Optics & Vision Limited et al.				
	BO1	WO-9828665-A1	07-02-1998	Philips Electronics Nv et al.				
	BP1	WO-9926097-A1	05-27-1999	Koninkl Philips Electronics Nv et al.				

Examiner	/Continue Landau/	Date	10/00/000
Signature	/Evelyn Lester/	Considered	12/20/2009

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not transmired, making tenserons considered, whether or not closure is in conformation with the constraints and not constraints and not considered, include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(s)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. \* Applicant's unique citation designation number (optional). \* See Kinds Codes of USPTO Patent Documents at www.uscto.gov or MPEP 901.04. \* Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. Applicant is to place a check mark here if English language Translation is attached.

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				Application Number	10/596,626-Conf. #8534	
IN	VFORMATION	l DI	SCLOSURE	Filing Date	September 15, 2006	
S	STATEMENT BY APPLICANT			First Named Inventor	Karl-Heinz Schuster	
-				Art Unit	2873	
	(Use as many sheets as necessary)			Examiner Name	E. A. Lester	
Sheet	8	೧೯	14	Atterney Decket Number	01641/0204258-US0	

			U.S. PA	FENT DOCUMENTS	
Examiner Initials*	Cite No."	Document Number Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Refevent Passages or Relevant Figures Appear

	FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code*-Number*-Hind Code*-(#Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	76		
	BQ1	WO-9942905-A1	08-26-1999	Univ California		0000000		
	BR1	WO-9957596-A1	11-11-1999	Koninkl Philips Electronics Nv et al.				
	881	WO-0104682-A1	01-18-2001	Kla Tencor Corp				
	BT1	WO-0151979-A2	07-19-2001	Zeiss Carl				
	BU1	WO-0155767-A2	08-02-2001	Zeiss Carl et al.				
	8V1	WO-0159502-A1	08-16-2001	Nippon Kogaku Kk et al.		V		

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Examiner	Date	
Signature /Fyelyn   ester/	Considered 12/20/2000	1

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMS control number. Complete if Known Substitute for form 1449/PTO Application Number 10/596,626-Conf. #8534 INFORMATION DISCLOSURE Filing Date September 15, 2006 STATEMENT BY APPLICANT First Named Inventor Karl-Heinz Schuster Art Unit 2873 (Use as many sheets as necessary) Examiner Name E. A. Lester 14 01641/0204258-US0 Atterney Decket Number Sheet O.

			U.S. PAT	ENT DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevent Passages or Relevant Figures Appear

		FOREI	GN PATENT	DOCUMENTS		
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages	6
Initials*	No.	Country Code <sup>3</sup> Aliamber <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Or Relevant Figures Appear	
	BW1	WO-02091078-A1	11-14-2002	Massachusetts Inst Technology et al.		
	BX1	WO-03036361-A1	05-01-2003	Nippon Kogaku Kk et al.		V
	BY1	WO-03077036-A1	09-18-2003	Zeiss Carl Semiconductor Mfg et al.		
	BZ1	WO-03077007-A2	09-18-2003	Zeiss Carl Smt Ag et al.		
	BA2	WO-03088330-A1	10-23-2003	Nippon Kogaku Kk et al.		W
	882	WO-2004010200-A1	01-29-2004	Zeiss Carl Semiconductor Mfg et al.		

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Signature	/Evelyn Lester/	Considered	12/20/2009

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not repairings. Include copy of this form with next communication to applicant, "CITE NO.. Those application(s) which are marked with an single asteries (?) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after time 30, 2003 or is available in the IFW. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <u>www.usutp.agg</u> or MFEP 901.04. Either Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, be indication of the year of the reign of the Emperor mast precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449/FTO				Complete if Known		
				Application Number	10/596,626-Conf. #8534	
IN	VFORMATION	I DI	SCLOSURE	Filing Date	September 15, 2006	
S	STATEMENT BY APPLICANT			First Named Inventor	Karl-Heinz Schuster	
				Art Unit	2873	
	(Use as many sheets as necessary)			Examiner Name	E. A. Lester	
Sheet	10	೧೯	14	Attorney Docket Number	01641/0204258-US0	

			U.S. PA	TENT DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevent Passages or Relevant Figures Appear

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code*-Number*+Vind Code*(n/Known)	Publication Date MM-DD-YYYY	Name of Patentiee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	76			
	BC2	WO-2004019128-A2	03-04-2004	Nippon Kogaku Kk et al.		000000			
	BD2	WO-2004107011-A1	12-09-2004	Nippon Kogaku Kk et al.					
	BE2	WO-2004114380-A1	12-29-2004	Nippon Kogaku Kk et al.		$\square$			
	BF2	WO-2005001432-A2	01-06-2005	Massachusetts Inst Technology et al.					
	BG2	WO-2005015316-A2	02-17-2005	Zeiss Carl Smt Ag et al.					
	BH2	WO-2005013009-A1	02-10-2005	Du Pont et al.					

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<sup>\*</sup>EXAMPLER: Initial if reference considered, whether or not obtation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. OTE NO: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1 98(a)(2)(iii)) because that application was filed after June 30, 2010 or is available in the IFW. "Applicant's unique citation designation number (optional). "See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. "Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). "For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document." Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 15 if possible. Applicant is to place a check mark here if English language Translation is attached.

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IN	VFORMATION	I DI	SCLOSURE	Filing Date	September 15, 2006	
S	TATEMENT I	3Y /	APPLICANT	First Named Inventor	Karl-Heinz Schuster	
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	(Use as many sheets as necessary)			Examiner Name	E. A. Lester	
Sheet	11	of	14	Atterney Decket Number	01641/0204258-US0	

	U.S. PATENT DOCUMENTS								
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	FOREIGN PATENT DOCUMENTS								
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	BI2	WO-2005040890-A2	05-06-2005	Zeiss Carl Smt Ag et al.		000000			
	BJ2	WO-2005059055-A2	06-30-2005	3m Innovative Properties Co et al.					
	BK2	WO-2005059654-A1	06-30-2005	Zeiss Carl Smt Ag et al.					
	BL2	WO-2005098504-A1	10-20-2005	Zeiss Carl Smt Ag et al.					
	BM2	WO-2005098505-A1	10-20-2005	Zeiss Carl Smt Ag et al.					
	BN2	WO-2005098506-A1	10-20-2005	Zeiss Carl Smt Ag et al.					

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S	TATEMENT E	3Y /	APPLICANT	First Named Inventor	Karl-Heinz Schuster	
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Sheet	12	of	14	Atterney Decket Number	01641/0204258-US0	

			U.S. PA	TENT DOCUMENTS	
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	BO2	WO-2005111689-A2	11-24-2005	Zeiss Carl Smt Ag et al.		000000			
	BP2	WO-2006005547-A1	01-19-2006	Zeiss Carl Smt Ag et al.					
	BQ2	WO-2007025643-A1	03-08-2007	Zeiss Carl Smt Ag et al.					
	BR2	WO-2007086220-A1	08-02-2007	Nippon Kogaku Kk et al.		V			

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10596626 - GAU: 2873 Receipt date: 10/22/2009

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				Application Number	10/596,626-Conf. #8534	
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s	TATEMENT E	3Y /	APPLICANT	First Named Inventor Karl-Heinz Schuster		
				Art Unit	2873	
	(Use as many sheets as necessary)			Examiner Name	E. A. Lester	
Sheet	13	of	14	Attorney Docket Number	01641/0204258-US0	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ²
	CA	US. Appl. No. 60/632,530, filed Dec. 01, 2004, Weippert et al.	
	CB	M. Switkes et al., Resolution Enhancement of 157-nm Lithography by Liquid Immersion, Proc. SPIE vol. 4691, Optical Microlithography XV, pp. 459-465, Jul. 2002.	
	cc	Tomoyuki Matsuyama et al., "Microlithographic Lens for DUV Scanner," SPIE vol. 4832, Dec. 2003, pp. 170-174.	
	CD	Tomoyuki, Matsuyama et al., "High NA and Low Residual Aberration Projection Lens for DUV Scanner," SPIE, vol. 4691 (2002), pp. 687-695.	
	CE	Ulrich, W. et al., "Trends in Optical Design of Projection Lenses for UV-and EUV-Lithography," Proc. Of SPIE vol. 4146 (2000).	
	CF	Glatzel, E., "New Lenses for Microkithography," SPIE vol. 237 (1980), pp. 310-320.	
	CG	J. J. Shaffer et al., "Effect of Thermal Cycling on Dimensional Stability of Zerodur and ULE", Applied Optics, vol. 23, No. 14, Sep. 1, 1994.	
	СН	Jacobs et al., "Expansion hysteresis upon thermal cycling of Zerodur", Applied Optics, vol. 23, No. 17, Sep. 01, 1984.	
	CI	Lindig et al., "Thermal expansion and length stability of Zerodur in dependense on temperature and time", Applied Optics, vol. 24, No. 20, Oct. 15, 1985.	
	CJ	M. H. Freeman, "Innovative Wide-Field Binocular Design", OSA Proceedings of the International Optical Design Conference, 1994, pp. 389-393, vol. 22.	

Examiner	(f <sup>ee</sup>	Date	12/20/2000
Signature	/Evelyn Lester/	Considered	ILILUILUUU

<sup>\*</sup>EXAMM/ER: Initial if reference considered, whether or not obtation is in conformance with MPEP 609. Draw lins through obtation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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10596626 - GAU: 2873 Receipt date: 10/22/2009

PTO/SB/08b (07-09)

Substitute for form 1449/PYO				Complete if Known		
				Application Number	10/596,626-Conf. #8534	
INF	ORMATION	I DIS	CLOSURE	Filing Date	September 15, 2006	
STA	ATEMENT I	BY A	PPLICANT	First Named Inventor	Karl-Heinz Schuster	
				Art Unit	2873	
	(Use as many sh	eets as n	ecessary)	Examiner Name	E. A. Lester	
Sheet	14	of	14	Attorney Docket Number	01641/0204258-US0	

	NON PATENT LITERATURE DOCUMENTS	
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CK	Tomoyuki Matsuyama et al., "Nikon Projection Lens Update", Proceedings of SPIE, 2004, vol. 5377, No. 65.	
CL	Donald DeJager, "Camera viewfinder using tilted concave mirror erecting elements", International Lens Design Conference (OSA), SPIE, 1980, pp. 292-298, vol. 237.	
		-
	Ne.'	Cite No.* Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.  CK Tomoyuki Matsuyama et al., "Nikon Projection Lens Update", Proceedings of SPIE, 2004, vol. 5377, No. 65.  Donald DeJager, "Camera viewfinder using tilted concave mirror erecting elements".

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